

Cyg 64
PROJECT STATUS REPORT

INSTRUCTIONS

ITEM 8 Entries will be taken from codes listed on the reverse side of this form page 3.

ITEM 20 Enter concise project progress information sufficiently complete so that reference to other reports will not be necessary. Changes in program scheduling should be fully explained. If additional space is required, a separate 8 x 10½ sheet will be used. Identify particular report and mark proper security classifications.

1. PROGRAM STRUCTURE 921A	2. PROJECT NR OR SYSTEM TEST OBJ NR	3. TASK, ESP OR TEST NUMBER 62B01
4. AFFTC PROJECT DIRECTIVE NR 62-17	5. AFSC PRIORITY 01	6. REPORTING PERIOD August 1964
7. TITLE AND OBJECTIVE EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE)		

To determine the opening reliability of a multi-stage parachute assembly to be used by parachutists from high altitudes.

8. SCHEDULE	CURRENT FY 65												FY 66												FY 67 QTR'S FY 68 QTR'S				
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	1st	2nd	3rd	4th	
PREVIOUS SCHEDULE	C 20																												
NEW SCHEDULE																													
CHG CODE	J	3	U	N	K	N	O	W	N																				
9. FIRST FLIGHT/TEST		10. LATEST FLIGHT/TEST		11. FINAL FLIGHT/TEST		12. TOTAL FLIGHT HRS REQ		13. ACFT SERIAL NR																					
14. % PLANNING COMPLETED	10/94	15. % INSTRUMENTATION COMPLETED	5/94	16. % TESTING COMPLETED	70/94	17. % DATA REDUCTION COMPLETED	10/94	18. % REPORT COMPLETED	5/0	19. % TOTAL COMPLETED	100/90																		

20. REMARKS

LIC 9121 WSC 3

Tests completed: 256

Tests documented: 273

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test	Photo
C-130 - 65.1	T-28 - 25.4
B-66 - 40.0	T-33 - 71.0
H-21 - 1.0	B-57 - 6.0
	F-104 - 1.5
	F-100 - 18.0
	H-21 - 20.0
	T-38 - 4.0

Test	Photo
C-130 - 16	T-33 - 5
B-66 - 0	T-28 - 3
	H-21 - 23

Three live jump tests were made from H-21 and C-130 aircraft. The test subjects wore seat survival kits and were instructed to jump and pull the timer-actuator arming knob. On the first test (1321) the 35-ft. D main parachute was immediately deployed. On the other two tests (1361 and 1362) the 78-in. D hemisflo stabilization parachute was immediately deployed. At approximately 15,500-ft. altitude the stabilization parachute was released and the main parachute deployed. At approximately 1500-ft. altitude the seat survival kit was deployed on all tests.

Test information follows:

21. DATE 31 August 1964	22. OFFICE SYMBOL AND TELEPHONE EXT FTNEM/266	23. SIGNATURE OF PROJECT OFFICER for Robert J. McNamee MAJOR USAF Lt. David P. Schmarje
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AFFTC FORM 29 AUG 62

PREVIOUS EDITIONS OF THIS FORM MAY BE USED.

Program Structure 921A, EXPERIMENTAL PERSONNEL PARACHUTE (MULTI-STAGE) (Cont'd)

Drop No.	Calibrated airspeed (kt)	Pressure altitude (ft)	Aircraft type	Gross weight (lb)	Time to release (sec)	Time to full open (sec)	Impact time (sec)	Rate of descent main stab. (ft/sec)	Rate of descent stab. (ft/sec)	Jumper	Remarks	Corrected
1321	60	6,000	H-21	276	-	7.8	419.9	-	N/A	MSgt Casto	1,2	
1361	110	35,000	C-130	270	115.4	118.0	884.3	159.9	21.1	SSgt Powers	4	
1362	110	35,000	C-130	276	105.8	108.4	832.0	158.9	19.0	MSgt Casto	3	

Remarks:

1. Times from hand-held stopwatches. Phototeodolite data were not obtained.
2. This was a Salton Sea (water) jump with full pressure suit.
3. This was a jump with full pressure suit.
4. This jump was made without a pressure suit.

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1. PROGRAM STRUCTURE 921A	2. PROJECT NR OR SYSTEM TEST OBJ NR	3. TASK, ESP OR TEST NUMBER 63B14
4. AFFTC PROJECT DIRECTIVE NR 63-83	5. AFSC PRIORITY 01A	6. REPORTING PERIOD August 1964
7. TITLE AND OBJECTIVE		

7. TITLE AND OBJECTIVE

D. E. S. TESTS

(Purpose is classified)

20. REMARKS

LIC 9341

Tests completed: 9

Tests documented: 12

Aircraft hours flown to date:

Documented aircraft hours remaining:

Test	Photo
F-106B - 8	T-38 - 4
	F-104 - 22
	F-106B - 5

Test	Photo
F-106B - 4	F-106B - 6
	F-104D - 7
	T-38 - 8
	T-33 - 9

Two in-flight ejection tests were made from the aft cockpit of a NF-106B aircraft. Test conditions and information are classified.

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1. PROGRAM STRUCTURE	2. PROJECT NR OR SYSTEM TEST OBJ NR	3. TASK, ESP OR TEST NUMBER
921A		64B05
64-41	75A	August 1964
7. TITLE AND OBJECTIVE		

EVALUATION OF AERIAL PHOTO TECHNIQUES (EXTENDED FREE FALL)

To determine most applicable camera location on helmets and develop a capability for taking motion pictures of parachutist during free fall.

8. SCHEDULE	CURRENT FY <u>65</u>					FY <u>66</u>					FY67 QTR8 FY 68 QTR1																		
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	D	J	F	M	A	M	J	1st	2d	3d	4th	1st	2d	3d
CURRENT SCHEDULE	1	T	T	T	T	C																							
NEW SCHEDULE																													
CHG CODE																													
9. FIRST FLIGHT/TEST	10. LATEST FLIGHT/TEST	11. FINAL FLIGHT/TEST	12. TOTAL FLIGHT HRS REQ	13. ACFT SERIAL NR																									
14. % PLANNING COMPLETED	15. % INSTRUMENTATION COMPLETED	16. % TESTING COMPLETED	17. % DATA REDUCTION COMPLETED	18. % REPORT COMPLETED	19. % TOTAL COMPLETED																								
10/80	N/A	65/28	N/A	25/10	100/22																								

20. REMARKS

LIC 9345 WSC 23

Test completed: 24

Aircraft hours flown to date:

Tests documented: 60

Documented aircraft hours remaining:

Test
C-130 - 5.8

Test
C-130 - 24.2

One test was made from the ramp of a C-130 aircraft at 110 KIAS, 12,500-ft. pressure altitude. The camera parachutist used a helmet with the camera mounted on the side. A parachutist exited the aircraft first, followed by the camera-parachutist. The parachutist held a stable prone position as the camera-parachutist maneuvered toward him. Motion pictures were taken at 32 frames per second. The coverage obtained was considered good. The camera-parachutist had the parachutist in view throughout the free-fall.

21. DATE	22. OFFICE SYMBOL AND TELEPHONE EXT	23. SIGNATURE OF PROJECT OFFICER
31 August 1964	FTNOP/291	M. B. Kanowski CWO M. B. Kanowski